

HIGH PHASE ORDER MOTOR WITH MESH CONNECTED WINDINGS**Abstract**

C1 A high phase order induction machine drive system is disclosed. This has an inverter system for the synthesis of a plurality of phases of alternating current output, and a N-phase induction motor (N is greater than 3). The motor is connected to the inverter terminals so that each motor phase is electrically connected to a first inverter terminal and a second inverter terminal $S + 1$ inverter terminals distant from the first inverter terminal in order of electrical phase angle (S is the skip number). The phase angle difference between the pair of inverter terminals to which each motor phase is connected is identical for each motor phase.